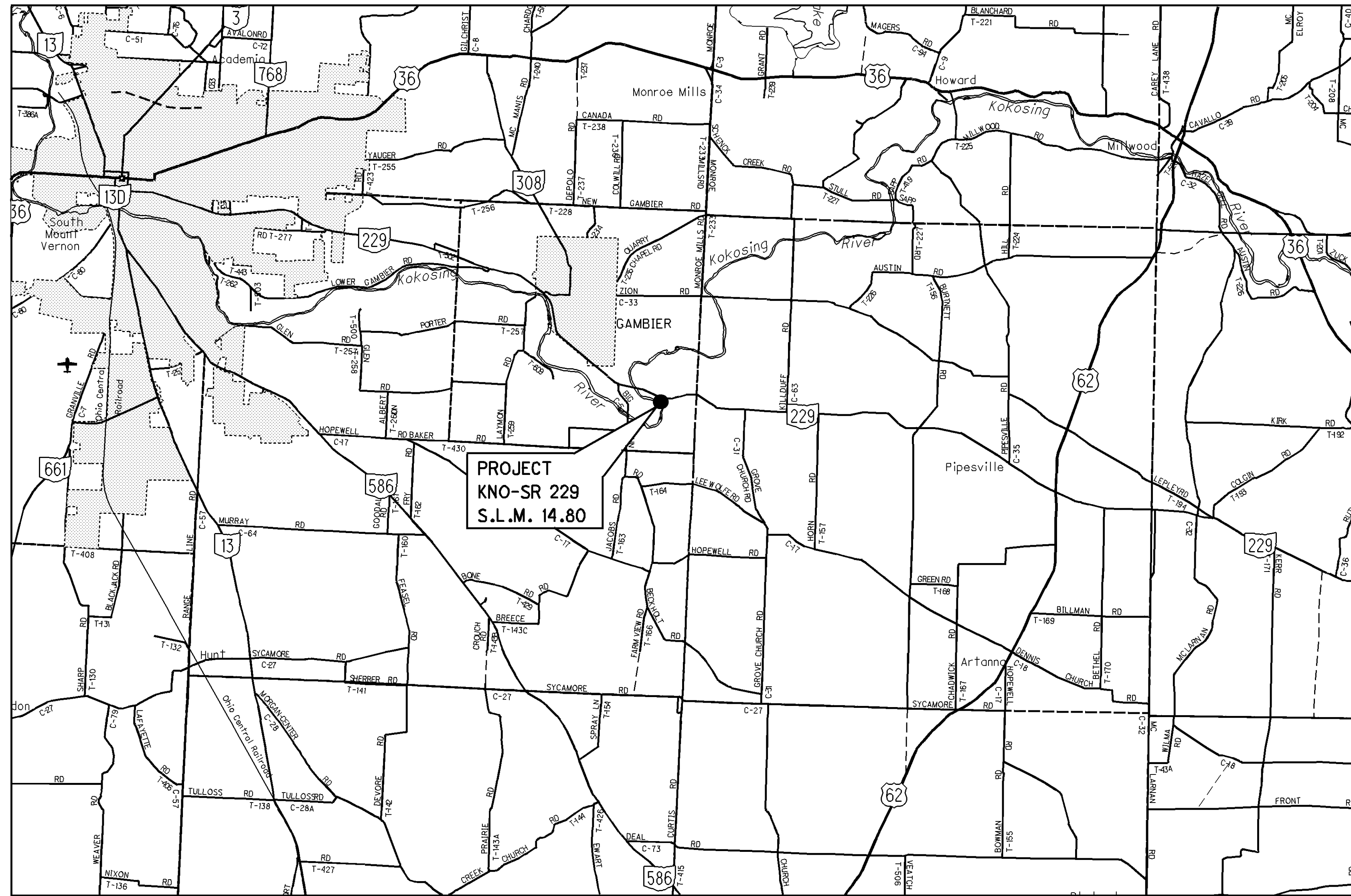


KNOX COUNTY



KNO-229-14.80
 LATITUDE: N 40°21'40" LONGITUDE: W 82°22'50"

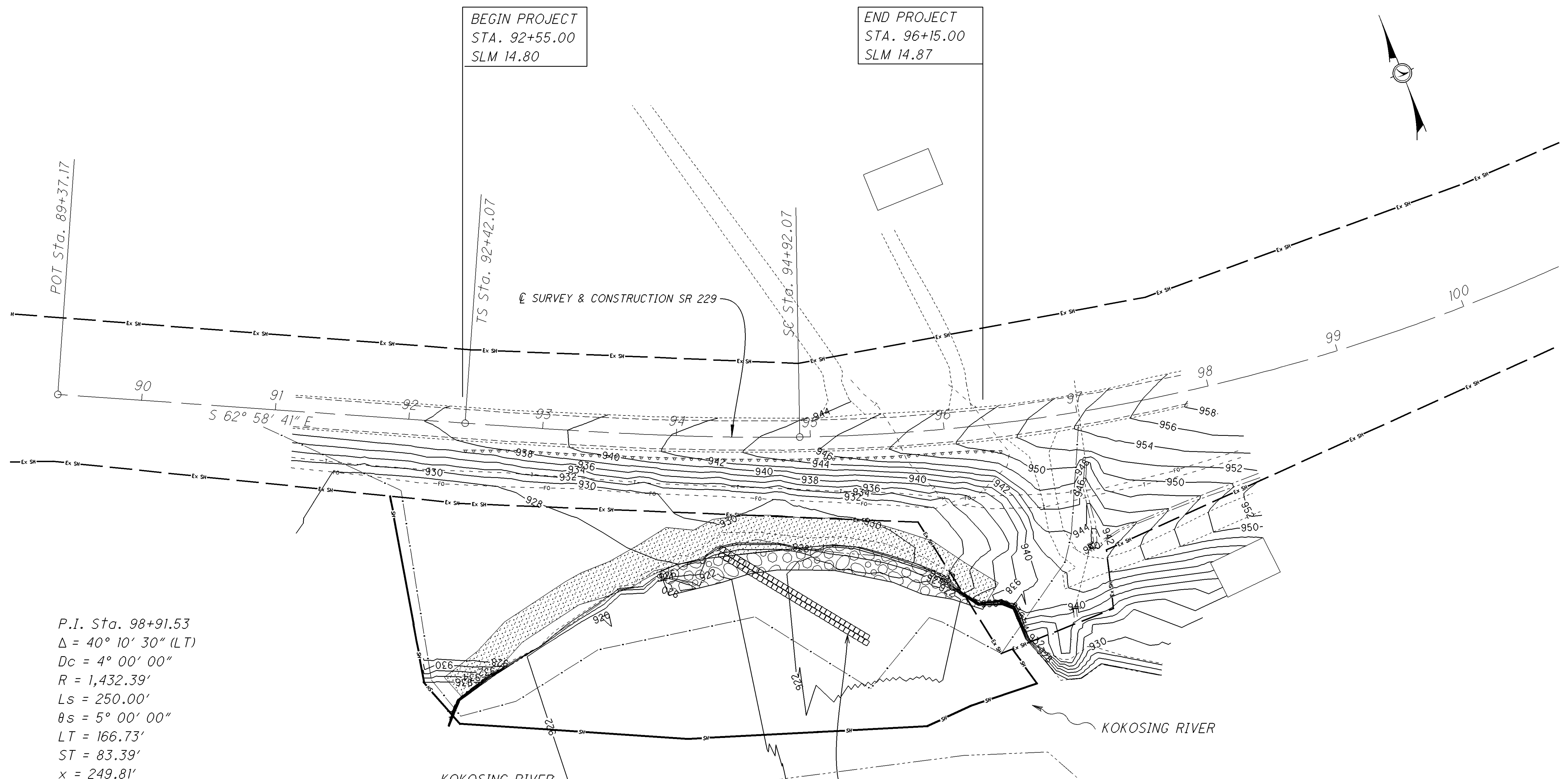


CALCULATED
 BCT
 CHECKED
 DNM

LOCATION MAP

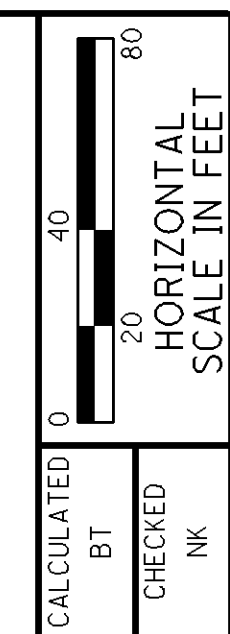
KNO - 229 - 14.80

P:/KNO/93031/DESIGN/ROADWAY/Plan_Sheets/General/93031_Site_Plan.dgn



P.I. Sta. 98+91.53
 $\Delta = 40^\circ 10' 30''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $Ls = 250.00'$
 $\theta s = 5^\circ 00' 00''$
 $LT = 166.73'$
 $ST = 83.39'$
 $x = 249.81'$
 $y = 7.27'$
 $k = 124.97'$
 $p = 1.82'$
 $\Delta c = 30^\circ 10' 30''$ (LT)
 $Lc = 754.37'$
 $Ts = 649.46'$
 $Es = 94.71'$
 $e_{max} = 0.000$
 $C = 745.68'$
 $C1 = C2 = 249.92'$
 $C.B.1 = S 64^\circ 38' 41'' E$
 $C.B. = S 83^\circ 03' 56'' E$
 $C.B.2 = S 78^\circ 30' 48'' W$

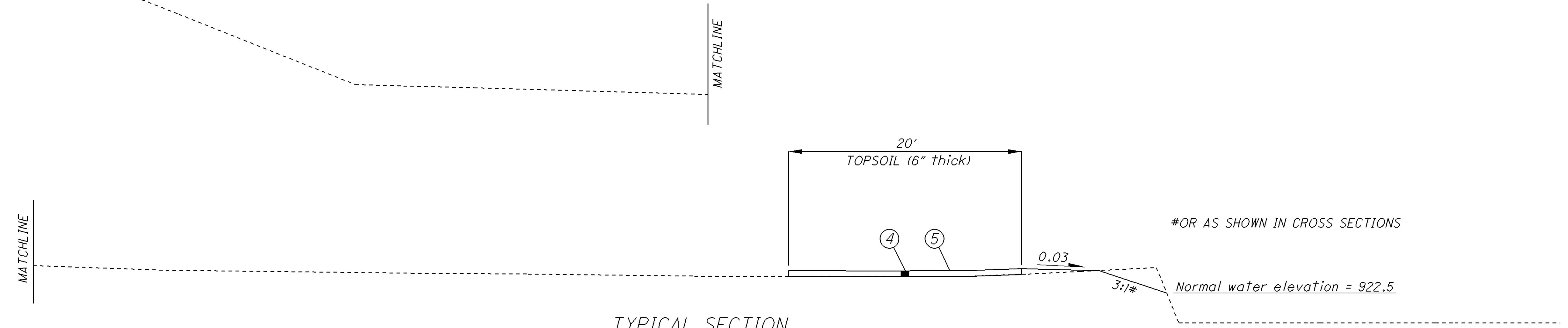
PROJECT DATA	
TOTAL AREA (RIGHT-OF-WAY):	1.6 AC
PROJECT EARTH DISTURBED AREA:	1.0 AC
CONTRACTOR EARTH DISTURBED AREA:	0.4 AC
NOTICE OF INTENT EARTH DISTURBED AREA:	4.9 AC
IMPERVIOUS (PAVED) AREA (PRE-CONSTRUCTION):	N/A
IMPERVIOUS (PAVED) AREA (POST-CONSTRUCTION):	N/A
RUN-OFF COEFFICIENT (PRE-CONSTRUCTION):	N/A
RUN-OFF COEFFICIENT (POST-CONSTRUCTION):	N/A
IMMEDIATE RECEIVING WATER:	KOKOSING RIVER
SUBSEQUENT RECEIVING WATER:	KOKOSING RIVER



CALCULATED BY BT
 CHECKED BY INK
PROJECT SITE PLAN

KNO-229-14.80

SR 229



TYPICAL SECTION

STA. 92+55.00 RT TO STA. 93+45.00 RT = 90.00 FT

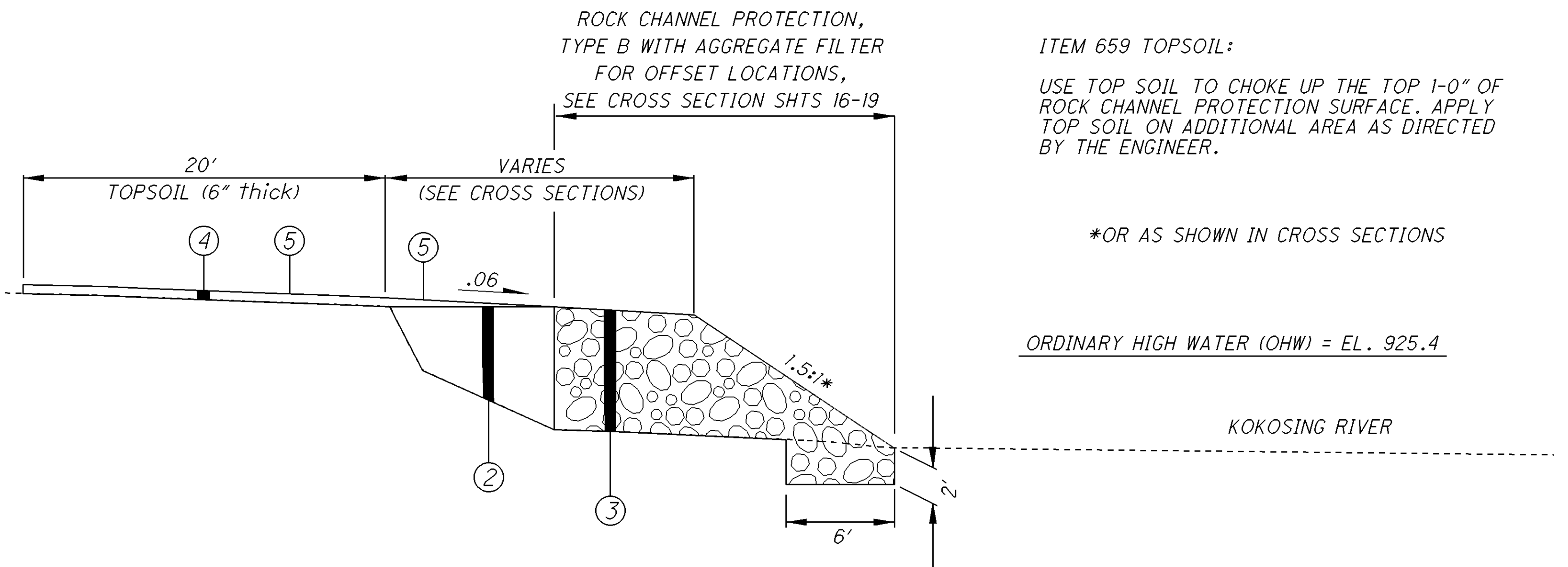
Control Points & Bench Marks

Point	North	East	Station	Offset	Elevation
SV1	252,966.2862	2,001,854.6853	92+28.37	19.7197	936.612
Feature	: CNPT	1" Rebar W/Alum Cap			
SV2	252,793.1430	2,002,241.6930	96+48.17	27.9806	949.474
Feature	: CNPT	1" Rebar W/Alum Cap			

LEGEND

- ① ITEM 203 EXCAVATION
- ② ITEM 203 EMBANKMENT
- ③ ITEM 601 ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER
- ④ ITEM 659 TOPSOIL (SEE NOTE)
- ⑤ ITEM 659 SEEDING AND MULCHING, CLASS 5B
- ⑥ ITEM 671 EROSION CONTROL MAT, TYPE G

SR 229



TYPICAL SECTION

STA. 93+45.00 RT TO STA. 96+15.00 RT = 270.00 FT

P:/KNO/93031/DESIGN/ROADWAY/Plan_Sheets/General/93031_TYP.dgn

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED NEAR THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AEP DISTRIBUTION
850 TECH CENTER DRIVE
GAHANNA, OHIO 43230
ATTN: PAUL PAXTON
614-883-6831

OHIO CUMBERLAND GAS CO.
20718 DANVILLE-AMITY ROAD
MOUNT VERNON, OHIO 43050
OFFICE PHONE NUMBER
740-392-2941

CENTURLINK TELEPHONE CO.
701 HARCOURT ROAD
MOUNT VERNON, OHIO 43050
ATTN: CASPER SCHMIDT
740-397-3609

TIME WARNER CABLE
3760 INTERCHANGE DR.
COLUMBUS, OHIO 43204
ATTN: RAY MAURER
614-481-5262

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

WORK LIMITS

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SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

DUMPED ROCK FILL, MISC.: TYPE B WITH AGGREGATE FILTER

DUMP ROCK FILL MATERIAL SHALL CONFORM TO CMS 703.19 (B2) AND CONSTRUCTION SHALL BE AS PER CMS 601.09 (ROCK CHANNEL PROTECTION).

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DISTRICT PERMIT SECTION BY FAX AT (614) 887-4525 OR
EMAIL AT BRIAN.BOSCH@DOT.STATE.OH.US
CENTRAL OFFICE SPECIAL HAUL PERMITS
SECTION BY FAX AT (614) 728-4099
OR EMAIL AT HAULING.PERMITS@DOT.STATE.OH.US

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

SCENIC RIVER

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IDLE EQUIPMENT, PETROCHEMICALS AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED IN THE FLOODPLAIN OR NEAR ANY DRAINAGE WAYS, DITCHES OR STREAMS THAT COULD CONVEY SUCH MATERIALS TO THE KOKOSING STATE SCENIC RIVER. PETROCHEMICALS AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE DISCHARGED INTO KOKOSING SCENIC RIVER, ITS FLOODPLAIN OR ANY DRAINAGE WAYS, DITCHES OR STREAMS. REFUELING OF EQUIPMENT SHOULD NOT OCCUR IN THE FLOODPLAIN OR NEAR ANY DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL CONTAINMENT AND CLEANUP PLAN SHALL BE DEVELOPED PRIOR TO THE START OF THE PROJECT.

ALL DEBRIS, EXCESS FILL MATERIAL AND MATERIAL EXCAVATED FROM THE RIVER BOTTOM SHOULD BE DISPOSED OF AT AN APPROVED UPLAND SITE (ABOVE 100 YEAR FLOOD ELEVATIONS). DISPOSAL IN WETLANDS, FLOODPLAINS OR WITHIN 1000 FEET OF THE KOKOSING SCENIC RIVER SHALL BE PROHIBITED.

ALL IN-STREAM WORK SHALL BE CONDUCTED DURING LOW FLOW PERIOD (AUGUST 1 THROUGH OCTOBER 31). ANY DISTURBED AREAS IN THE STREAM BOTTOM SHOULD BE RETURNED TO PRE-CONSTRUCTION CONTOURS. RIP- RAP SHALL CONSIST OF CLEAN ROCK ONLY (FREE OF ANY TOXIC OR FINE MATERIAL). ALL FILL MATERIAL USED AS RIP RAP SHALL BE A MINIMUM OF THREE INCHES IN DIAMETER AND BE WASHED TO REMOVE FINE PARTICULATE MATTER (CLAY, SILT, SAND AND SOIL).

RIP RAP SHALL BE PLACED FROM THE BENCH AREA ABOVE THE RIVER CHANNEL. NO EQUIPMENT IS PERMITTED WITHIN THE KOKOSING RIVER CHANNEL EXCEPT FOR THE ITEM "COFFERDAMS, AND EXCAVATION BRACING" AND ROCK VANE CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM PROJECT ENGINEER (CONSTRUCTION METHODS, DEWATERING ETC.) FOR THIS ITEM, AS NECESSARY TO CONSTRUCT THE PROJECT.

STREAMBANK VEGETATION SHALL BE LEFT UNDISTURBED TO THE MAXIMUM EXTENT POSSIBLE. NATALIE PIRVU CENTRAL REGION SCENIC RIVER MANAGER SHALL BE INVITED TO A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR PRESENT. NATALIE SHALL BE NOTIFIED OF THE PROJECT START DATE AND COMPLETION DATE, AND BE ALLOWED TO CONDUCT A FINAL INSPECTION BEFORE THE PROJECT CLOSES TO MAKE RECOMMENDATIONS REGARDING FINAL SITE STABILIZATION. NATALIE'S CONTACT INFORMATION IS

NATALIE PIRVU
ALUM CREEK WATERCRAFT OFFICE
3305 S. OLD STATE ROAD
DELAWARE, OH 43015
740-548-5490

PLANTING PLAN

TREES AND SHRUBS PLANTED IN PROJECT DISTURBED AREA SHALL BE LOCATED AS DIRECTION BY THE ENGINEER.

ITEM 661 DECIDUOUS SHRUB 3' HEIGHT
BLACK CHOKEBERRY (ARONIA MELANOCARPA) 25 EACH
HAZEL NUT (CORYLUS AMERICANA) 25 EACH
BLACK HAW (VIBURNUM PRUNIFOLIUM) 25 EACH

ITEM 661 DECIDUOUS TREE, 1" CALIPER
SWAMP WHITE OAK (QUERCUS BICOLOR) 15 EACH
CUCUMBER TREE (MAGNOLIA ACUMINATA) 15 EACH
PIN OAK (QUERCUS PALUSTRIS) 10 EACH
PAW PAW (ASIMINA TRILOBA) 10 EACH

ITEM 661 PLANTING, MISC.:
LIVE WILLOW STAKES, 1" CALIPER (4' MIN. LENGTH) 400 EACH

ITEM 662 LANDSCAPINE WATERING 6000 GALLON

THE ABOVE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

FIELD CONDITIONS

DUE TO CONTINUED SLOPE EROSION SUBSEQUENT TO THE TIME OF FIELD SURVEY, DETAILS SHOWN ON THE PLAN ARE TO BE CONSIDERED APPROXIMATE AND FOR ESTIMATING PURPOSES ONLY.

SPECIAL MISC.:

FIELD SURVEY FOR CONSTRUCTION PLANS INCLUDING STAKING

THE CONTRACTOR SHALL FIELD REVIEW THE SITE WITH THE PROJECT ENGINEER FOR CHANGES. UPON PROJECT ENGINEER'S CONFIRMATION OF THE LIMITS, BEGIN THE WORK AFTER INSTALLATION OF STREAM ELEVATION GAUGES. INSTALL AT LEAST TWO STAKES REPRESENTED AS STREAM ELEVATION GAUGES AT LOCATIONS DIRECTED BY THE ENGINEER. THE GAUGES WILL HAVE INDICATORS SHOWING AN ORDINARY HIGH WATER MARK OF KOKOSING RIVER AT ELEVATION OF 925.4 FEET. THE STREAM GAUGES MUST BE MAINTAINED THROUGHOUT CONSTRUCTION. PERFORM ADDITIONAL FIELD SURVEYS TO CONFIRM THE EARTHWORK AND EROSION CONTROL QUANTITIES. THE CONTRACTOR SHALL SUBMIT PAY ITEM QUANTITY CALCULATIONS, DIGITAL/PRINT CROSS SECTION SHEETS AND PLAN SHEET PRIOR TO FINALIZING THE PROJECT. THE PLAN SHEET SHALL SHOW TOPOGRAPHIC FEATURES WITHIN CONSTRUCTION PROJECT WORK LIMITS SHOWING PROPOSED IMPROVEMENT.

ESTABLISHED VEGETATION

DURING CONSTRUCTION EVERY ATTEMPT SHOULD BE MADE TO PRESERVE TREES, SHRUBS AND OTHER ESTABLISHED VEGETATION WITHIN THE CONSTRUCTION LIMITS AND PROPOSED RIGHT OF WAY.

TOPSOIL

THE CONTRACTOR SHALL PLACE THE TOP SOIL WITHIN THE ROCK AREA OF TOP OF BENCH SO THE ROCK SURFACE IS COVERED WITH MINIMUM OF 6" OF TOP SOIL. THE QUANTITY OF 50 CUBIC YARD IS INCLUDED TO BE USED FOR THIS PURPOSE.

WATERWAY PERMITS CONDITIONS

NO INSTREAM WORK MAY OCCUR UNTIL THE NECESSARY CORPS OF ENGINEERS PERMIT IS RECEIVED BY ODOT. AN ADDENDUM INCORPORATING THE WATERWAY PERMITS CONDITIONS WILL BE FILED BY ODOT WHEN THE PERMIT IS RECEIVED. THE PERMIT IS EXPECTED TO BE RECEIVED BY AUGUST 26, 2013.

ITEM 614 MAINTAINING TRAFFIC

AS PER MT-97.10, ONE LANE OF TRAFFIC MAY BE CLOSED BY USE OF FLAGGERS AND EXISTING PAVEMENT DURING THE HOURS OF CONSTRUCTION ACTIVITIES. ALL OTHER TIMES, THE CONTRACTOR SHALL MAINTAIN NORMAL TRAFFIC. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

IF IN THE OPINION OF THE ENGINEER, THE CONTRACTOR FAILS TO COMPLY WITH THESE REQUIREMENTS AND THE PROVISIONS OF THE APPROVED MAINTENANCE OF TRAFFIC PLAN, THE ENGINEER SHALL SUSPEND WORK UNTIL ALL REQUIREMENTS ARE MET. ANY COST OR DELAYS INCURRED AS A RESULT OF THE FAILURE SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.

PAYMENT FOR ALL THE ITEMS REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

INTERIM COMPLETION DATE

AN INTERIM COMPLETION DATE OF NOVEMBER 30, 2013 HAS BEEN ESTABLISHED FOR ALL WORK EXCEPT ITEM 662. A FINAL COMPLETION DATE SHALL BE USED FOR THE ESTABLISHMENT DATE CALLED FOR IN 661.14 SO THAT THE CONTRACTOR CAN REPLACE ANY PLANTINGS THAT DO NOT SURVIVE FOLLOWING INSPECTION.

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850 TECH CENTER DRIVE
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20718 DANVILLE-AMITY ROAD
MOUNT VERNON, OHIO 43050
OFFICE PHONE NUMBER
740-392-2941

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PERFORM ADDITIONAL FIELD SURVEYS TO CONFIRM THE EARTHWORK AND EROSION CONTROL QUANTITIES.

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INTERIM COMPLETION DATE

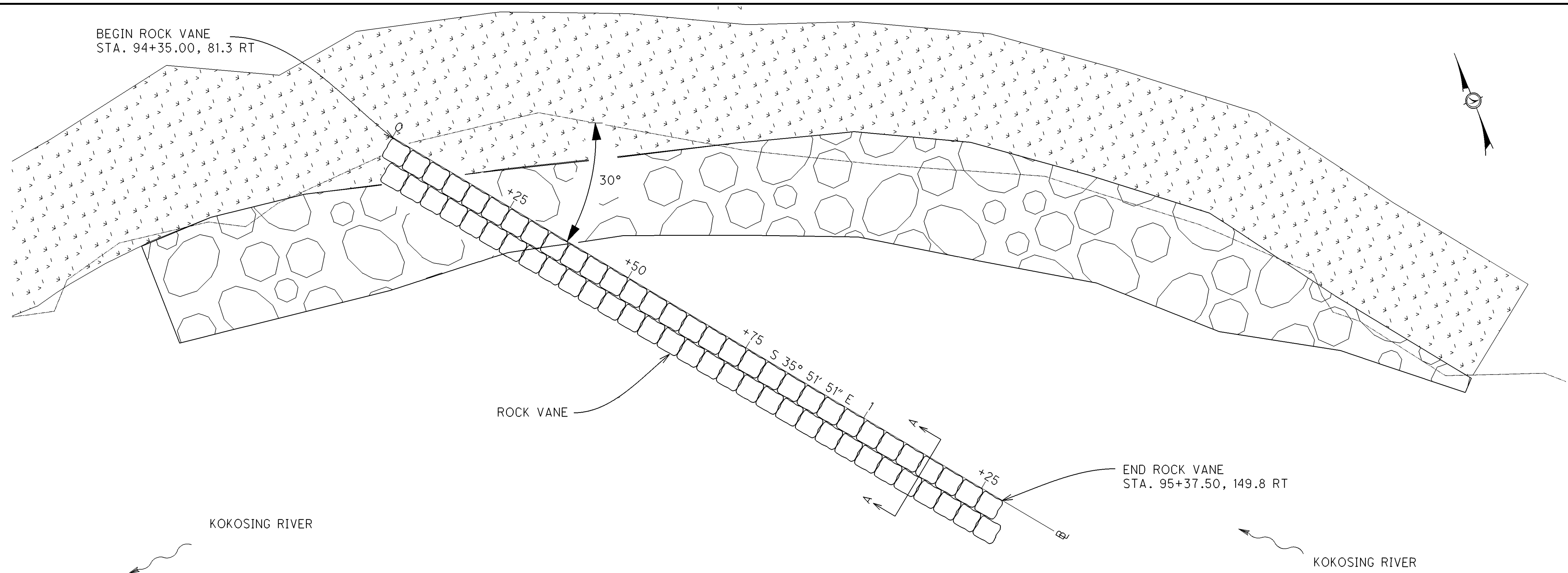
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CALCULATED
BT
CHECKED
NK

GENERAL NOTES

KNO-229-14.80

P:\KNO\93031\DESIGN\ROADWAY\Plan_Sheets\General\93031_GKN01.dgn



ITEM 601E35000 ROCK CHANNEL PROTECTION, MISC.: ROCK VANE

PLAN

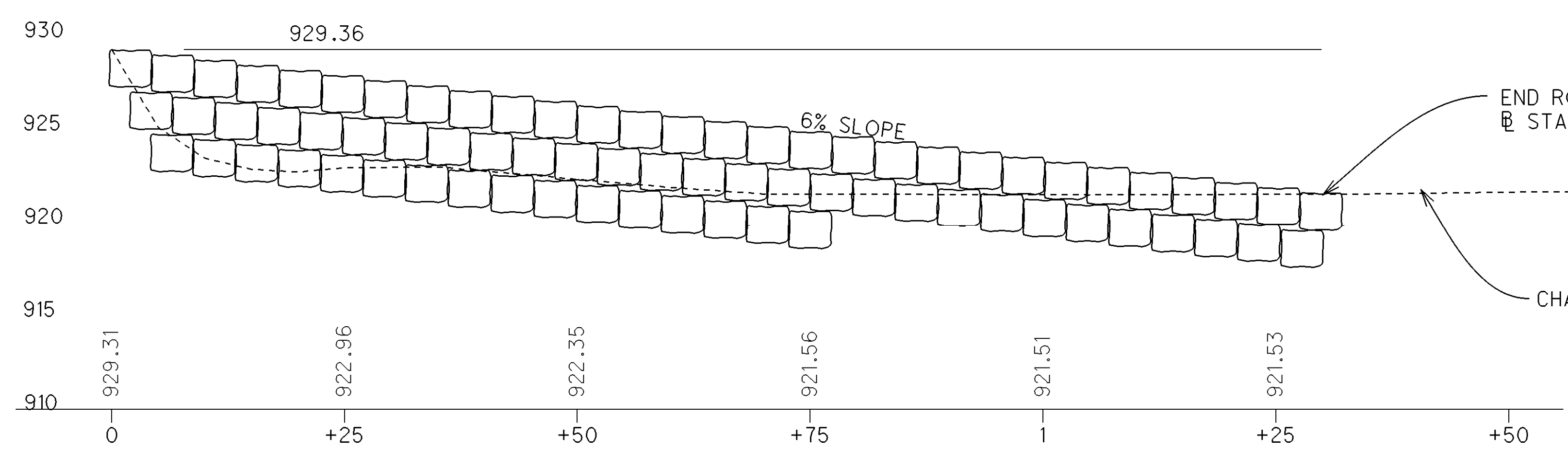
ITEM 601E35000 ROCK CHANNEL PROTECTION, MISC.: ROCK VANE

ENSURE THAT INDIVIDUAL STONE PIECES ARE ROUGHLY RIGHT RECTANGULAR PRISMS. STAGER INDIVIDUAL PIECES IN COURSES AND SO THAT THE PIECES OVERLAP THE JOINTS IN THE COURSE BELOW AND ADJACENT BY AT LEAST 3 INCHES. A ROCK DIMENSION FOR A VANE IS 3'-6" TO 8 FEET (A-AXIS) X 2'-6" TO 6 FEET (B-AXIS) X 2 TO 4 FEET (C-AXIS). PLACE THE LARGER ROCK PIECES IN LOWER COURSES. THE LONGER DIMENSION (A-AXIS) SHALL BE LAID FLAT FACING WATER FLOW. THE WIDTH OF ROCK VANE (B-AXIS) SHALL HAVE NO MORE THAN TWO ROCK PIECES. ENSURE THAT AT LEAST ONE COURSE IS EMBEDDED BELOW THE CHANNEL BOTTOM OR FOOTER ROCKS EXTEND TO THE DEPTH OF TWO FEET BELOW CHANNEL BOTTOM. THE ROCK PIECES MUST TOUCH EACH OTHER. THE MINIMUM WIDTH OF FOOTER SHALL BE 6'-6". THE MINIMUM VANE WIDTH ABOVE FOOTER ROCK SHALL BE 4 FEET 6 INCHES.

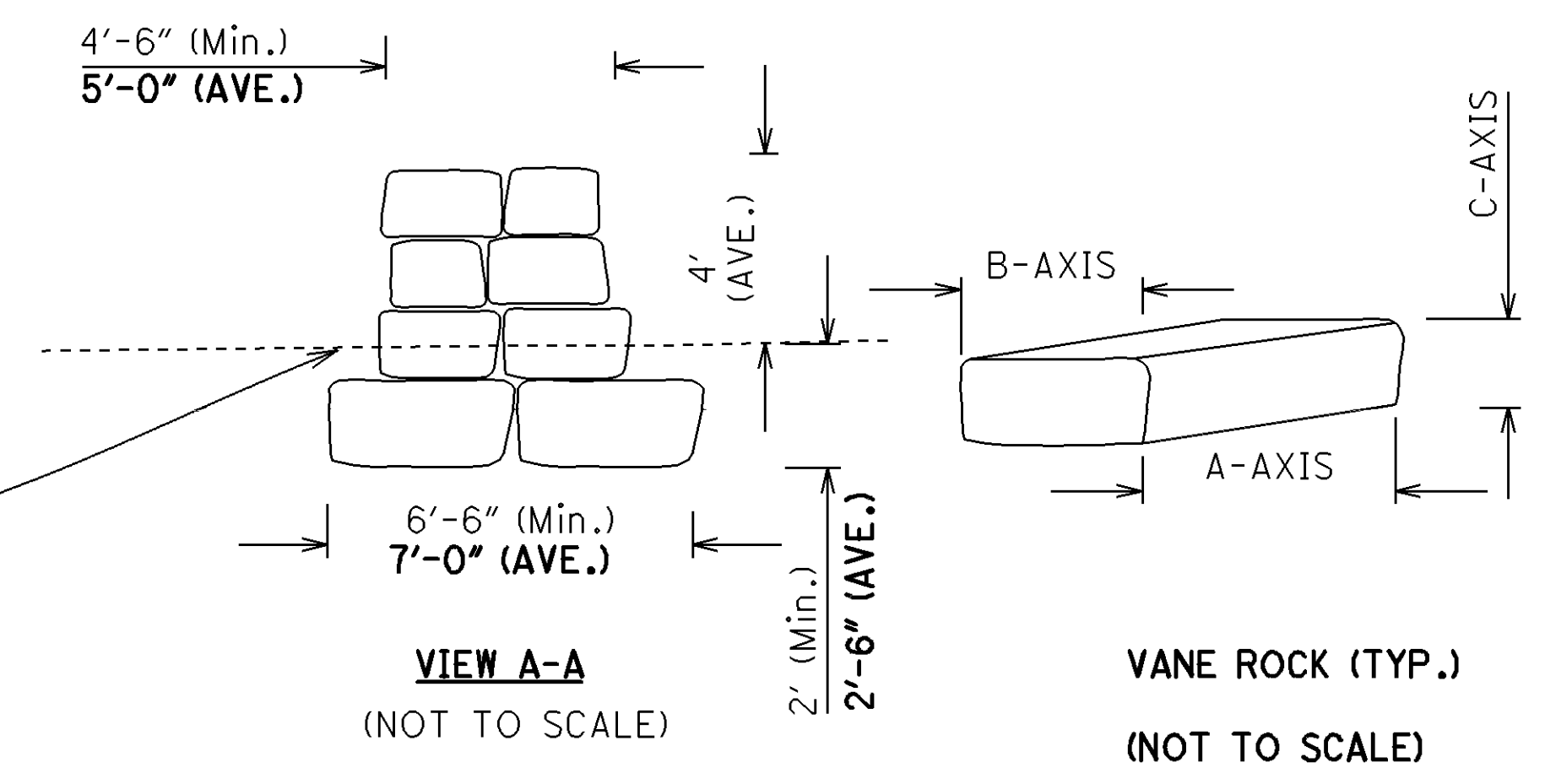
TO ENSURE PROPER PLACEMENT, THE CONTRACTOR SHALL HAVE AN EXCAVATOR WITH A THUMB, OR OTHER EQUIPMENT CAPABLE OF PLACING ROCKS AT PRECISE LOCATIONS. THE CONTRACTOR SHALL CLOSE ALL VOIDS BETWEEN FOOTER ROCKS SUCH THAT NO MORE THAN 4 INCHES IN SIZE WILL BE PRESENT. THE SPACES BETWEEN VANE ROCKS AND FOOTER ROCKS SHALL BE FILLED WITH SPALLS OF SUITABLE SIZE. ALL UNSUITABLE MATERIALS AND SURPLUS ROCKS SHALL BE REMOVED FROM THE SITE. THE UNIT PRICE BID SHALL INCLUDE THE COST OF FURNISHING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK INCLUDING THE INCIDENTALS NOT LIMITED TO EXCAVATION, CONSTRUCTION ACCESS FILL, DE-WATERING, BACKFILL AND DISPOSAL OF EXCESS AND UNSUITABLE MATERIALS. ALL OTHER SPECIFICATION REQUIREMENTS OF 601 SHALL APPLY.

ITEM 601E35000 ROCK CHANNEL PROTECTION, MISC.: ROCK VANE
(Average thickness/width dimensions are used)

Estimated quantity calculation: Footing Rock : $130' \times 2.5'(\text{Ave. (Typ.)}) \times 7' / 27 = 84 \text{ CY}$
 Rock Above river bed : $130' \times 4' \times 5' / 27 = 96 \text{ CY}$
 Add 10% for irregular rock
 Total = $(96 + 84)1.10 = 198 \text{ CY}$



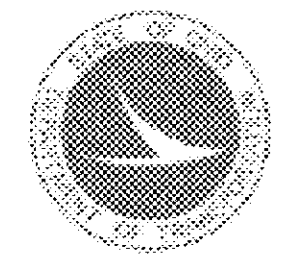
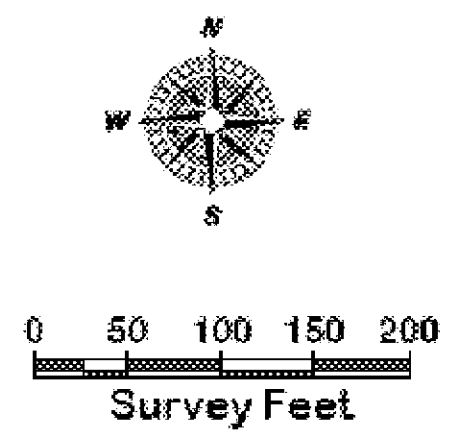
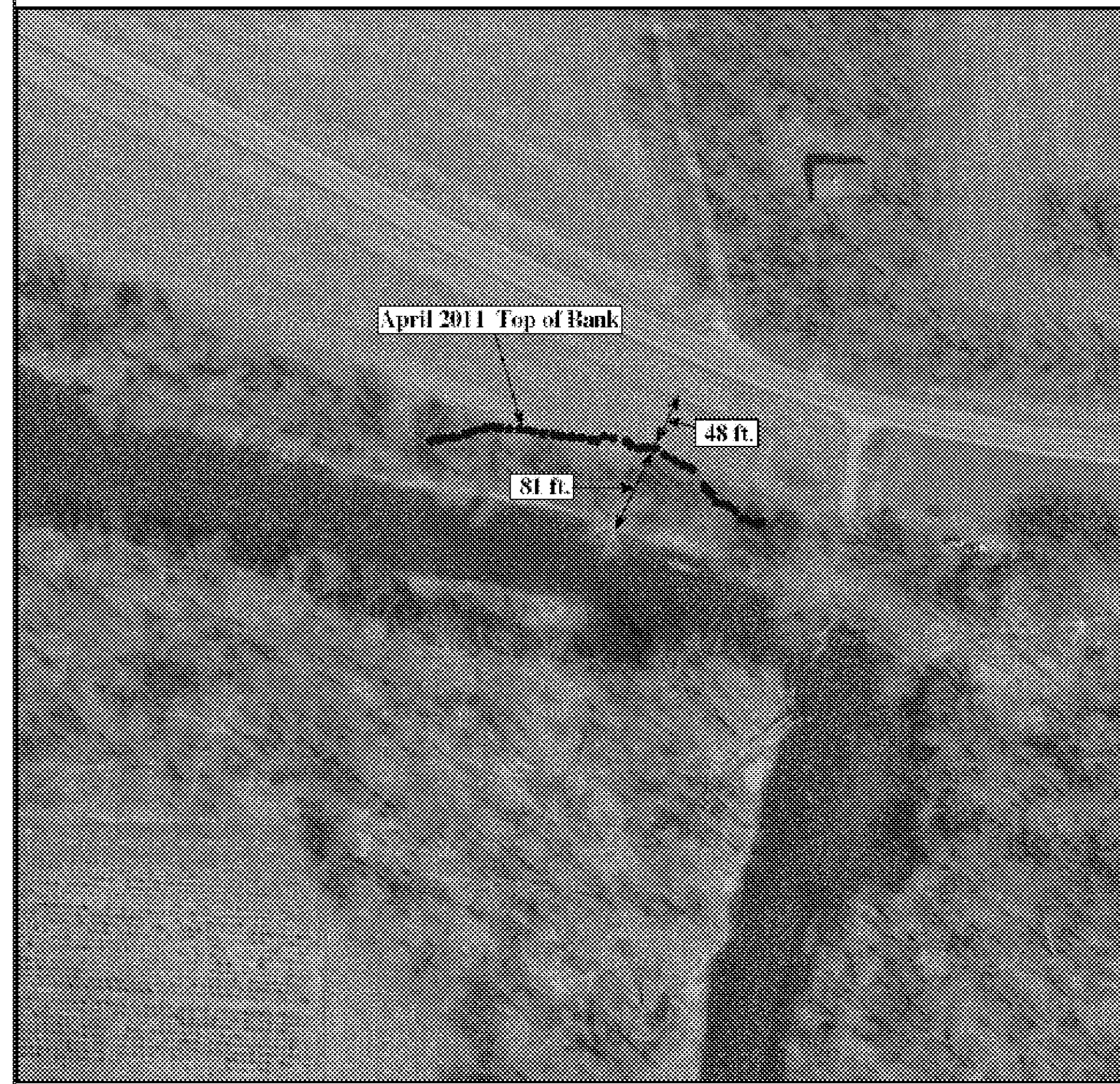
ITEM 601E35000 ROCK CHANNEL PROTECTION, MISC.: ROCK VANE PROFILE



VIEW A-A
(NOT TO SCALE)

VANE ROCK (TYP.)
(NOT TO SCALE)

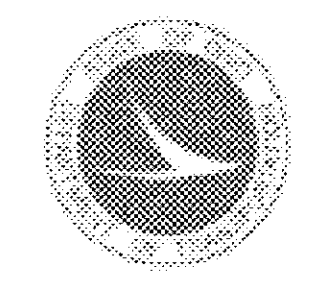
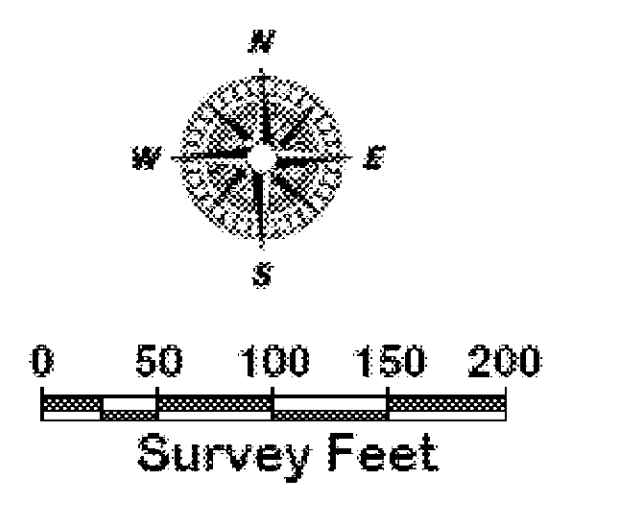
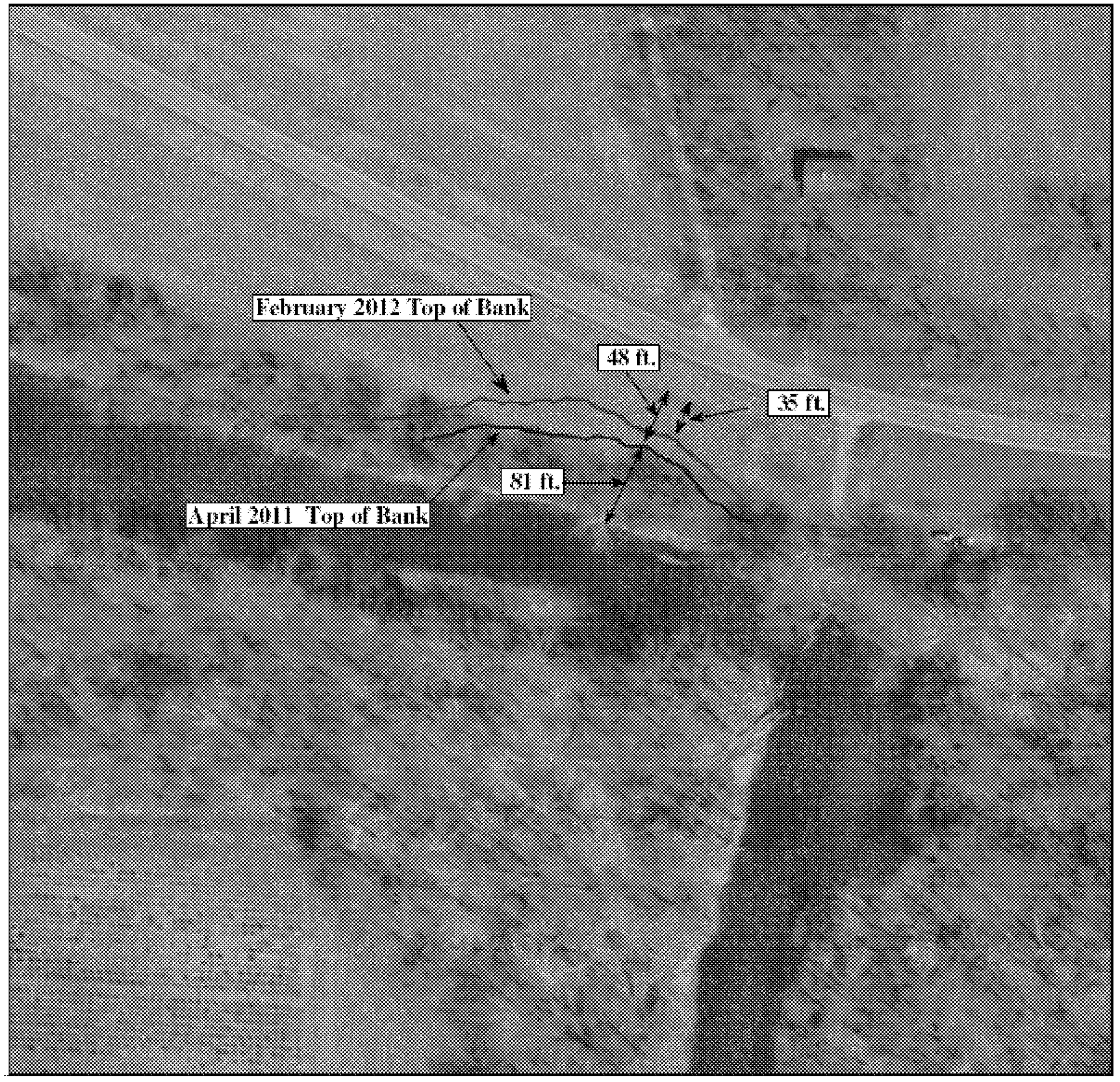
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Prepared by ODOT District 5
Planning & Engineering Department

KNO-229-14.16

2006 OSIP Imagery



Prepared by ODOT District 5
Planning & Engineering Department

KNO-229-14.86

2006 OSIP Imagery

THE ROADWAY FORESLOPE AT THE TOE OF THE KOKOSING RIVER HAS EXPERIENCED CONTINUING EROSION THAT HAS REDUCED THE TOE OF THE ROADWAY EMBANKMENT SLOPE FROM 129 FEET TO 35 FEET OVER THE LAST 6 YEARS. (THE AERIAL IMAGE WAS DONE IN 2006.)

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CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET

GENERAL AREA INFORMATION

KNO - 229 - 14.80



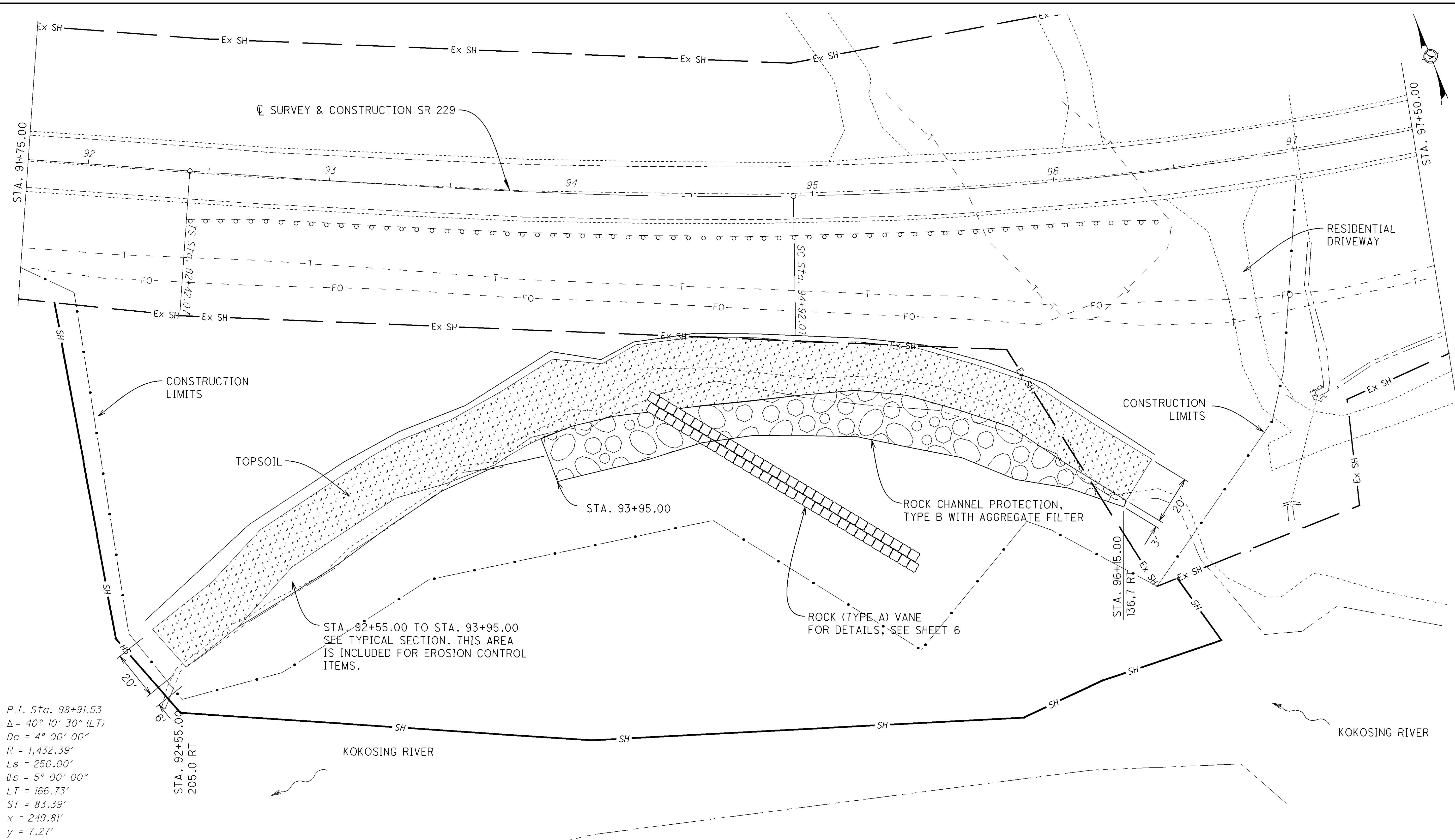
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CALCULATED
CHECKED
HORIZONTAL
SCALE IN FEET

GENERAL AREA INFORMATION

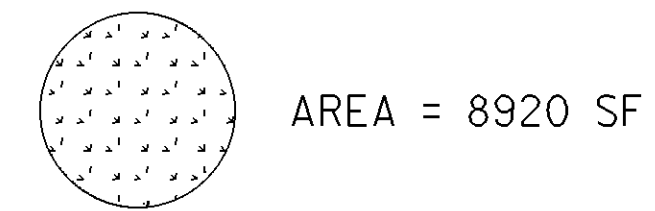
KNO - 229 - 14.80

8
26



P.I. Sta. 98+91.53
 $\Delta = 40^\circ 10' 30''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $Ls = 250.00'$
 $\theta s = 5^\circ 00' 00''$
 $LT = 166.73'$
 $ST = 83.39'$
 $x = 249.81'$
 $y = 7.27'$
 $k = 124.97'$
 $p = 1.82'$
 $\Delta c = 30^\circ 10' 30''$ (LT)
 $Lc = 754.37'$
 $Ts = 649.46'$
 $E = 94.71'$
 $emax = 0.000$
 $C = 745.68'$
 $CI = C2 = 249.92'$
 $C.B.1 = S 64^\circ 38' 41'' E$
 $C.B. = S 83^\circ 03' 56'' E$
 $C.B.2 = S 78^\circ 30' 48'' W$

STA. 92+55.00 TO STA. 93+95.00
 SEE TYPICAL SECTION. THIS AREA
 IS INCLUDED FOR EROSION CONTROL
 ITEMS.



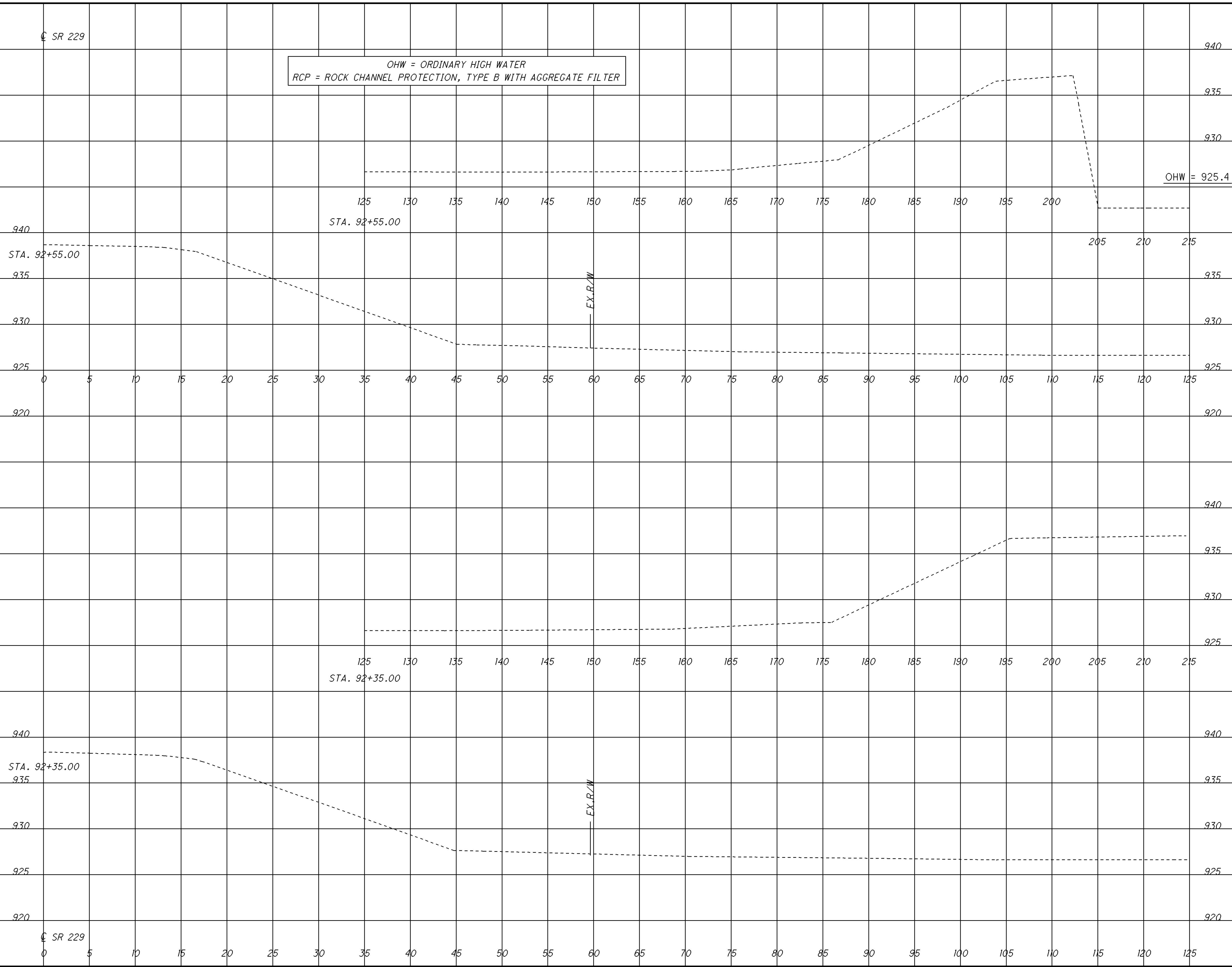
ITEM 659 TOPSOIL 8920 SF x 0.5 FT / 27 = 165.2 CY 165.2 x 1.10 (add 10%) = 181.7 CY use 182 CY	ITEM 659 COMMERCIAL FERTILIZER 1 TON PER 7,410 SQ. YD. 2073 SY / 7,410 = 0.28 TON	ITEM 659 WATER 0.0054 MGAL PER SY 2073 SY. YD. x 0.0054 = 11.2 MGAL use 12 MGAL
ITEM 659 SEEDING AND MULCHING CLASS 5B 8920 / 9 = 992 SY (TOPSOIL AREA) 466 x 10 / 9 = 518 SY (LT SIDE OF TOPSOIL) 374 SY (RT SIDE OF TOPSOIL) (992 + 518 + 374) x 1.10 (add 10%) = 2072.4 SY TOTAL = 2073 SY	ITEM 659 LIME 1 ACRE PER 4,840 SY 2073 SY / 4,840 = 0.43 ACRE	671 EROSION CONTROL MAT, TYPE G 2073 SY (SEEDING & MULCHING AREA)

QUANTITIES CARRIED TO GENERAL SUMMARY

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SEEDING	
END WIDTH	SO. YDS.
0	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		

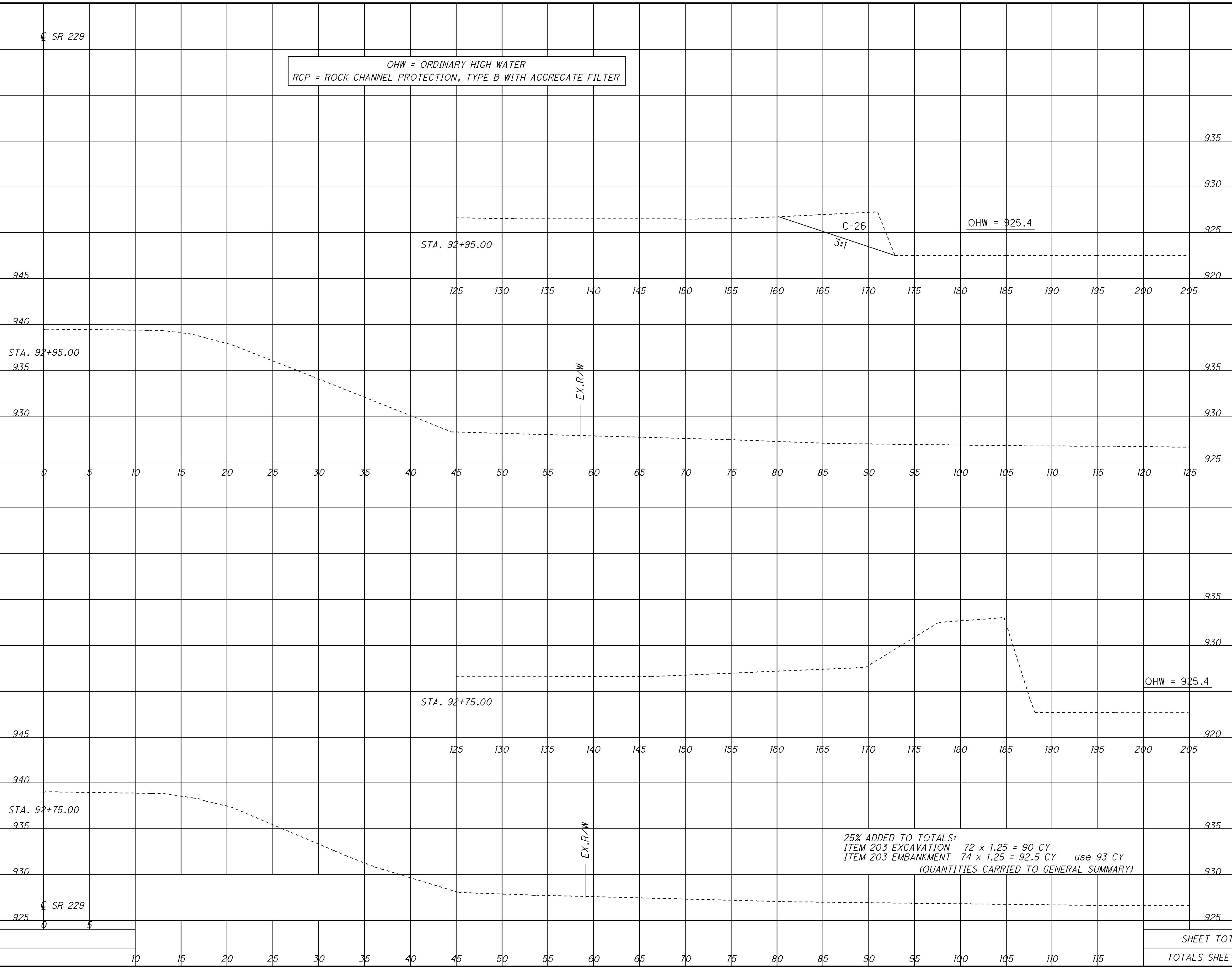
CALCULATED	CHECKED
BT	NK

**CROSS SECTIONS
STA. 92+35.00 TO STA. 92+55.00**

KNO - 229 - 14.80

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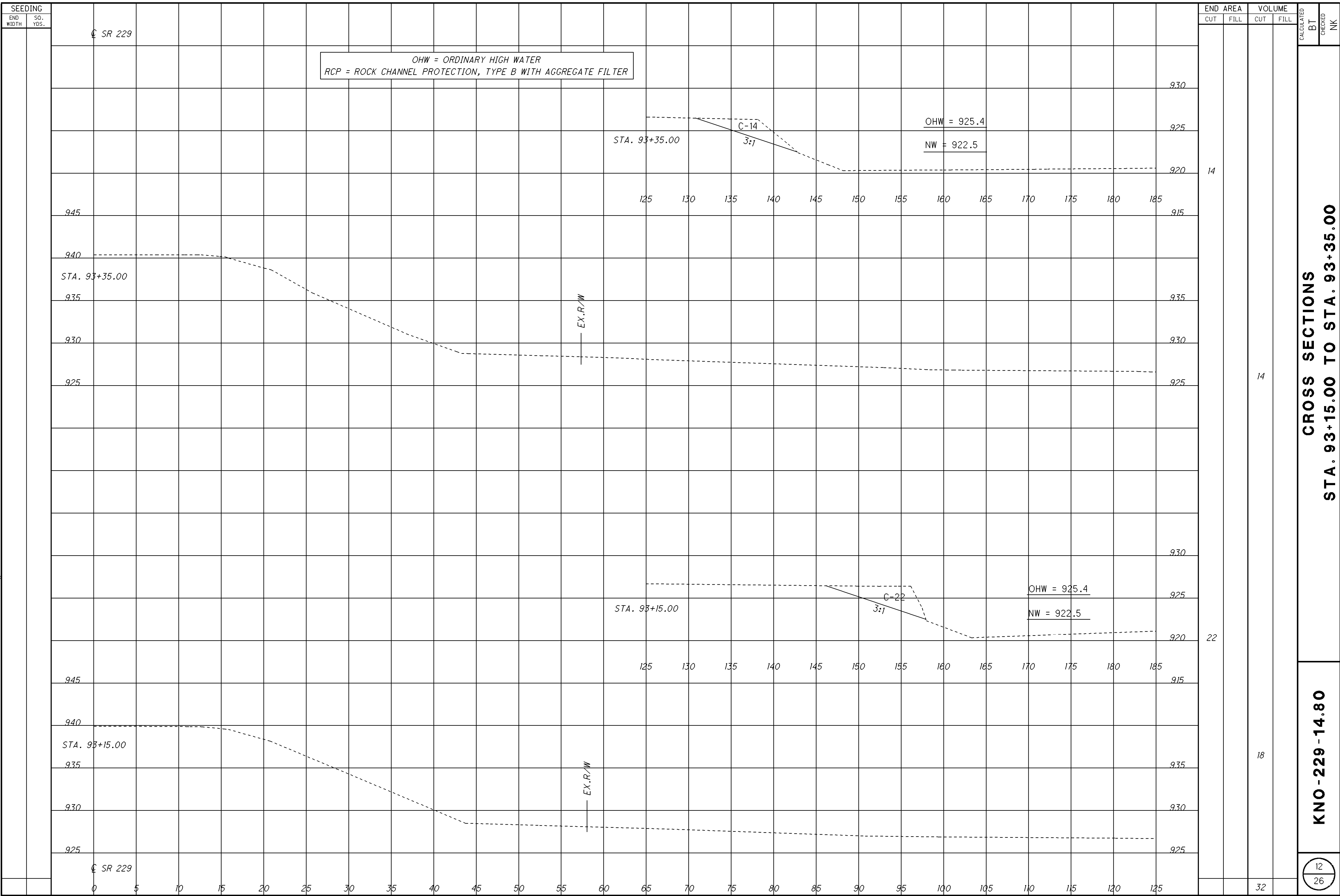
SEEDING	
END WIDTH	SO. YDS.
0	5



END AREA	VOLUME	CALCULATED	BT	CHECKED	NK
26	10				
0	0				
SHEET TOTALS		10			
TOTALS SHEETS 11-16		72	74		

CROSS SECTIONS
STA. 92+75.00 TO STA. 92+95.00
KNO - 229 - 14.80

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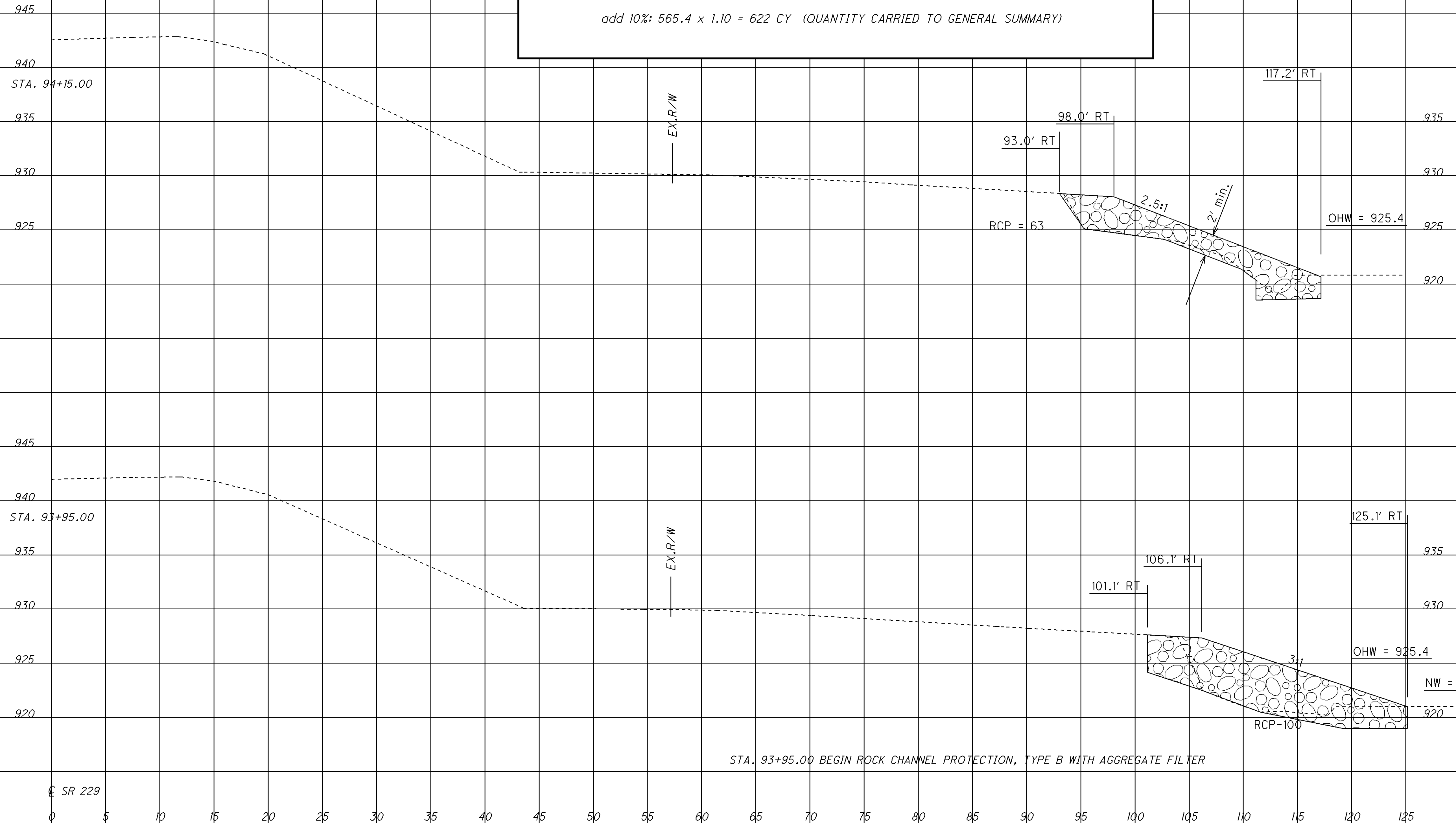
ITEM 601 ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER

NW = NORMAL WATER ELEVATION OHW = ORDINARY HIGH WATER
 RCP = ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER

STA. 93+95.00 to STA. 94+15.00 = 20.0 FT (100+63) / 2 x 20 / 27 = 60.4 CY	STA. 95+15.00 to STA. 95+35.00 = 20.0 FT (74+74) / 2 x 20 / 27 = 54.8 CY
STA. 94+15.00 to STA. 94+35.00 = 20.0 FT (63+89) / 2 x 20 / 27 = 56.3 CY	STA. 95+35.00 to STA. 95+55.00 = 20.0 FT (74+76) / 2 x 20 / 27 = 55.6 CY
STA. 94+35.00 to STA. 94+55.00 = 20.0 FT (89+71) / 2 x 20 / 27 = 59.3 CY	STA. 95+55.00 to STA. 95+75.00 = 20.0 FT (76+96) / 2 x 20 / 27 = 63.7 CY
STA. 94+55.00 to STA. 94+75.00 = 20.0 FT (71+68) / 2 x 20 / 27 = 49.6 CY	STA. 95+75.00 to STA. 95+95.00 = 20.0 FT (96+28) / 2 x 20 / 27 = 45.9 CY
STA. 94+75.00 to STA. 94+95.00 = 20.0 FT (68+69) / 2 x 20 / 27 = 50.8 CY	STA. 95+95.00 to STA. 96+15.00 = 20.0 FT (28+10) / 2 x 20 / 27 = 14.1 CY
STA. 94+95.00 to STA. 95+15.00 = 20.0 FT (69+74) / 2 x 20 / 27 = 51.9 CY	STA. 96+15.00 to STA. 96+25.00 = 10.0 FT (10+6) / 2 x 10 / 27 = 3 CY

TOTAL: 60.4+56.3+59.3+49.6+50.8+51.9+54.8+55.6+63.7+45.9+14.1+3 = 565.4 CY

add 10%: 565.4 x 1.10 = 622 CY (QUANTITY CARRIED TO GENERAL SUMMARY)



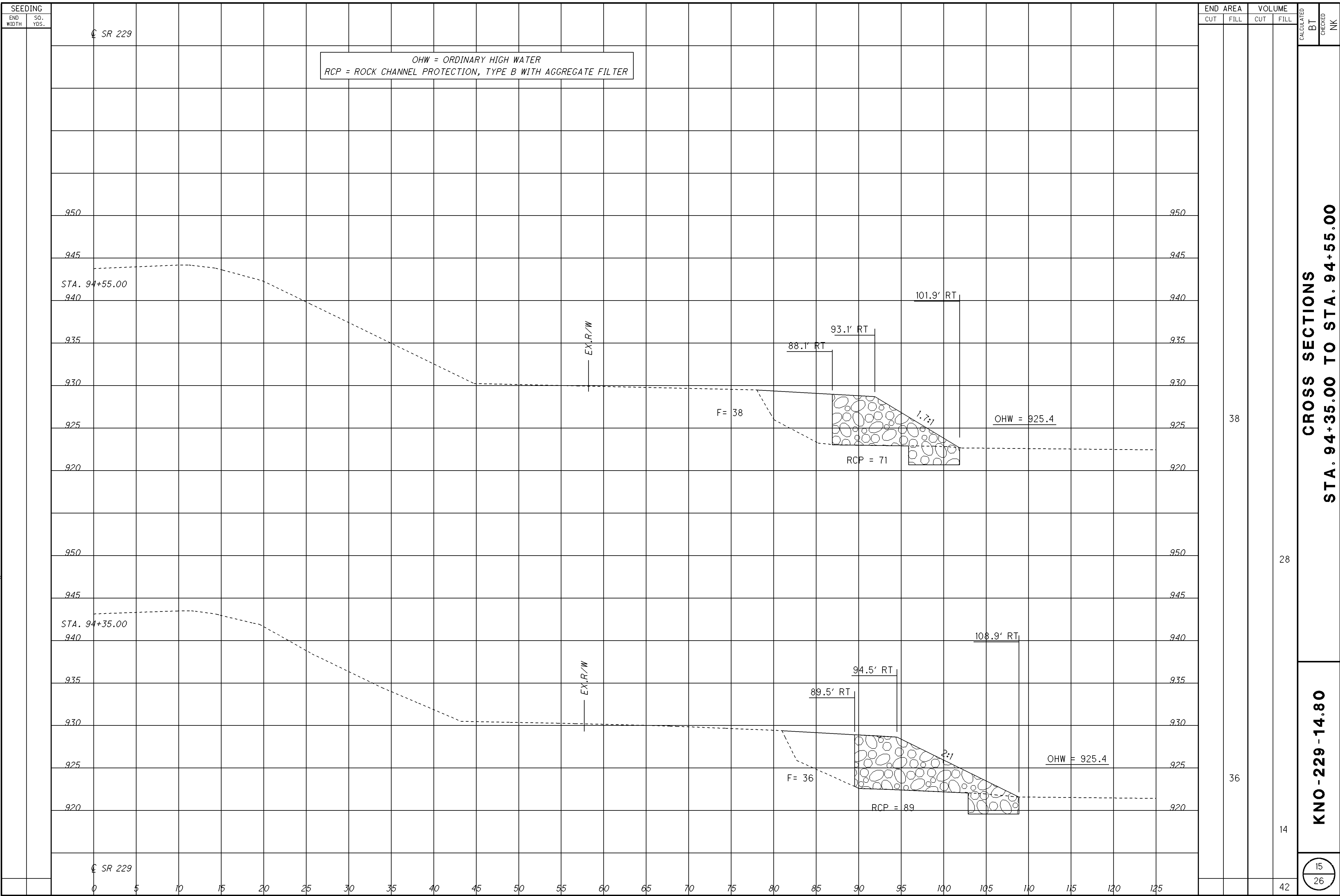
STA. 93+95.00 BEGIN ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER

SEEDING		END AREA		VOLUME		CALCULATED	BT	CHECKED	NK
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL				

CROSS SECTIONS
 STA. 93+95.00 TO STA. 94+15.00

KNO - 229 - 14.80

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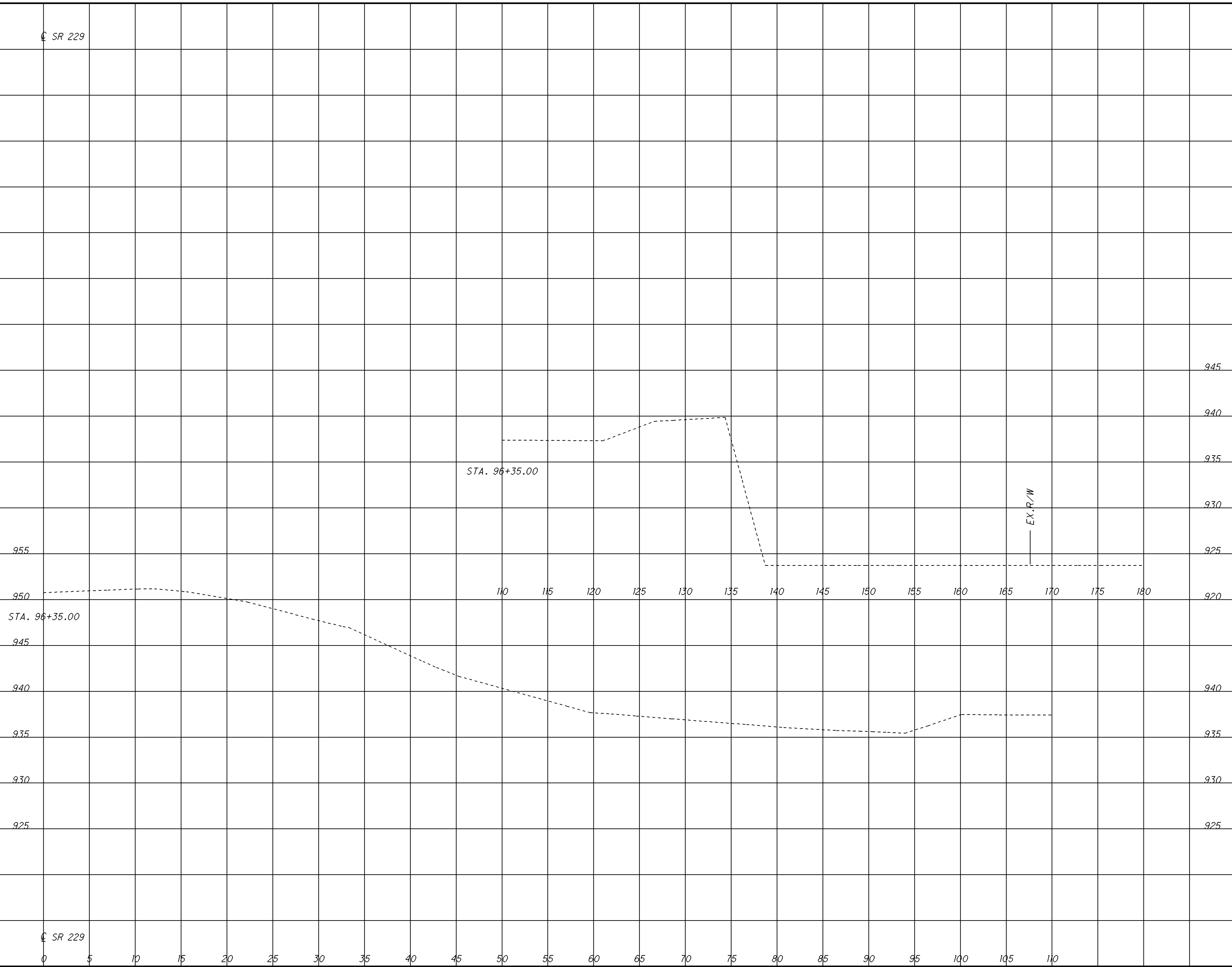


CROSS SECTIONS
STA. 94+35.00 TO STA. 94+55.00

KNO - 229 - 14.80

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	BT	CHECKED	NK

CROSS SECTIONS
STA. 96+35.00 TO STA. 96+35.00

KNO - 229 - 14.80

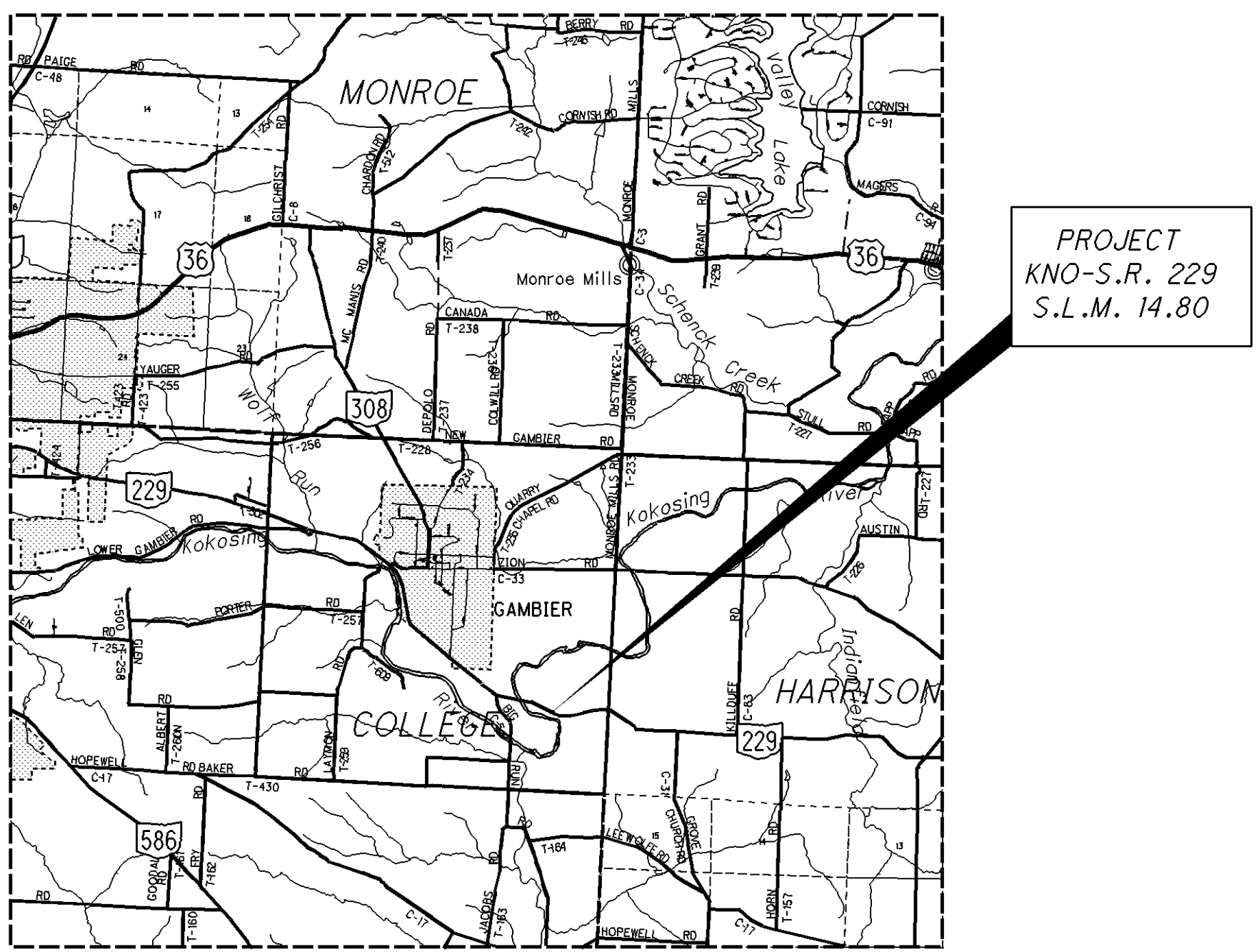
20
26

SHEET NUMBER						ITEM	ITEM EXT.	GRAND TOTAL 01/STR/OT 100% STATE	UNIT	DESCRIPTION	SEE SHEET
5	6	9	11	14							
ROADWAY											
LUMP						201	11000	LUMP		CLEARING AND GRUBBING	
			90			203	10000	90	CU YD	EXCAVATION	
			93			203	20000	93	CU YD	EMBANKMENT	
LUMP						690	98400	LUMP		SPECIAL MISC.: FIELD SURVEY FOR CONSTRUCTION PLANS INCLUDING STAKING	4
EROSION CONTROL											
				622		601	32110	622	CU YD	ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER	4
	198					601	35000	198	CU YD	ROCK CHANNEL PROTECTION, MISC.: ROCK VANE	
50		182				659	00300	232	CU YD	TOPSOIL	
		2,073				659	00580	2,073	SQ YD	SEEDING AND MULCHING, CLASS 5B	
		0.28				659	20000	0.28	TON	COMMERCIAL FERTILIZER	
		0.43				659	31000	0.43	ACRE	LIME	
		12				659	35000	12	M GAL	WATER	
		2,073				671	15060	2,073	SQ YD	EROSION CONTROL MAT, TYPE G	
						832	30000	5,000	EACH	EROSION CONTROL	
LANDSCAPING											
25						661	20060	25	EACH	DECIDUOUS SHRUB, 3' HEIGHT, CORYLUS AMERICANA - HAZEL NUT	
25						661	20060	25	EACH	DECIDUOUS SHRUB, 3' HEIGHT, VIBURNUM PRUNIFOLIUM - BLACK HAW	
25						661	20060	25	EACH	DECIDUOUS SHRUB, 3' HEIGHT, ARONIA MELANOCARPA - BLACK CHOKEBERRY	
15						661	40040	15	EACH	DECIDUOUS TREE, 1" CALIPER, QUERCUS BICOLOR - SWAMP WHITE OAK	
15						661	40040	15	EACH	DECIDUOUS TREE, 1" CALIPER, MAGNOLIA ACUMINATA - CUCUMBER TREE	
10						661	40040	10	EACH	DECIDUOUS TREE, 1" CALIPER, QUERCUS PALUSTRIS - PIN OAK	
10						661	40040	10	EACH	DECIDUOUS TREE, 1" CALIPER, ASIMINA TRILOBA - PAW PAW	
400						661	99900	400	EACH	PLANTING, MISC.: LIVE WILLOW STAKES, 1" CALIPER	
6,000						662	31000	6,000	GALLON	LANDSCAPE WATERING	
RETAINING WALLS											
						503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING	
MAINTENANCE OF TRAFFIC											
LUMP						614	11000	LUMP		MAINTAINING TRAFFIC	
						619	16000	2	MONTH	FIELD OFFICE, TYPE A	
						624	10000	LUMP		MOBILIZATION	

RIGHT OF WAY LEGEND SHEET KNO-229-14.80

PROJECT DESCRIPTION
 SLOPE STABILIZATION PROJECT TO STOP THE ONGOING
 EROSION OF THE RIVER BANK.

PROJECT CONTROL
 NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
 AND STATE PLANE GRID COORDINATES, NORTH ZONE.



LOCATION MAP

KNOX COUNTY, OHIO
 COLLEGE TOWNSHIP, LOT 11
 FIRST QTR. TOWNSHIP
 TOWNSHIP 6 NORTH RANGE 12 WEST
 UNITED STATES MILITARY LANDS

NOTES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL AND GAS PRODUCERS PROTECTIVE
SERVICE CALL: **1-800-929-0968**

INDEX OF SHEETS:

LEGEND SHEET	1
CENTERLINE PLAT	2
PROPERTY MAP	3
SUMMARY OF ADDITIONAL R/W	4
RIGHT OF WAY PLAN SHEET	5

PLANS PREPARED BY:

FIRM NAME : ODOT DISTRICT 5

R/W DESIGNER: TAMMARA HUDSON

R/W REVIEWER: CHUCK PRICE, P.S.

FIELD REVIEWER: TAMMY HUDSON & ED SCHMELZER

PRELIMINARY FIELD REVIEW DATE: April 3, 2012

TRACINGS FIELD REVIEW DATE: April 3, 2012

OWNERSHIP UPDATED BY: TAMMARA HUDSON

DATE COMPLETED: Dec 31, 2012

PLAN COMPLETION DATE: Dec 31, 2012

UTILITY OWNERS		UTILITY OWNERS	
TYPE	NAME & ADDRESS	TYPE	NAME & ADDRESS
ELECTRIC	AEP Distribution 850 Tech Center Drive Gahanna, Ohio 43230 Attn: Paul Paxton 614-883-6831	CABLE	Time Warner Cable 3790 Interchange Drive Columbus, Ohio 43204 Attn: Ray Maurer 614-481-5262
GAS	Ohio Cumberland Gas Company 20718 Danville-Amity Road Mount Vernon, Ohio 43050 Office Phone Number 740-392-2941		
TELEPHONE	Centurylink Telephone Co. 701 Harcourt Road Mount Vernon, Ohio 43050 Attn: Casper Schmidt 740-397-3609		

LEGEND:

WL = FEE SIMPLE WITH LIMITATION OF ACCESS	FL = FLOW EASEMENT
WD = WARRANTY DEED	U = UTILITY EASEMENT
BS = BILL OF SALE	A = AERIAL EASEMENT
PRW = PROPERTY RIGHT FEE SIMPLE	PRE = PROPERTY RIGHT
SH = STANDARD HIGHWAY EASEMENT	SC = SCENIC EASEMENT
LA = LIMITED ACCESS EASEMENT	V = IN NAME OF ANOTHER STATE AGENCY, LPA, ETC.
T = TEMPORARY EASEMENT	R = SPECIAL RESERVATION
SL = SLOPE EASEMENT	WA = WORK AGREEMENT
S = SEWER EASEMENT	SA = SPECIAL AGREEMENT AND WAIVER OF DAMAGES
CH = CHANNEL EASEMENT	

STRUCTURE KEY

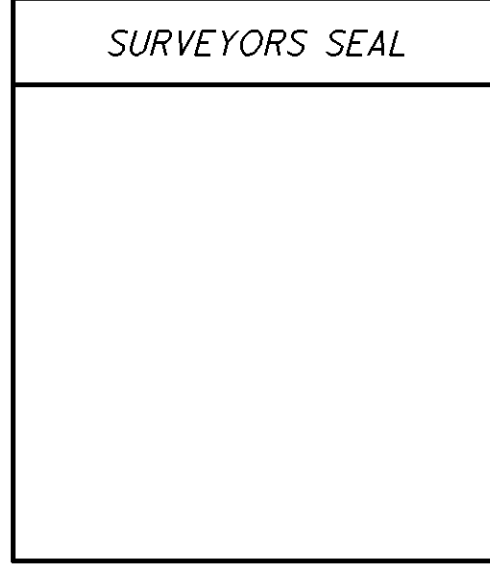
- COMMERCIAL
- RESIDENTIAL
- OUT-BUILDING

CONVENTIONAL SYMBOLS

County Line ————	Ditch / Creek (Ex) ————
Township Line ————	Ditch / Creek (Pr) ————
Section Line - - - - -	Tree Line (Ex)
Corporation Line	Ownership Hook Symbol , Example
Fence Line (Ex) —x—x—(Pr) —x—x—	Property Line Symbol , Example
Center Line ————	Break Line Symbol , Example
Right of Way Easement (Ex) — Ex SH ————	Tree (Pr) , Tree (Ex) , Shrub (Ex)
Right of Way (Pr) ———— SH ————	Tree (Remove) , Shrub (Remove)
Right of Way (Ex) ———— Ex R/W ————	Evergreen (Ex) , Stump
Temporary Right of Way ———— TMP ————	Evergreen (Remove) , Stump (Remove)
Storm Sewer Ease. (Pr) ———— SW ————	Wetland (Pr) , Grass (Pr) , Aerial Target
Utility Ease. (Ex) ———— Ex U ————	Post (Ex) , Mailbox (Ex) , Mailbox (Pr)
Railroad Right of Way (Ex) ———— Ex RR ————	Light (Ex) , Telephone Marker (Ex) TEL
Railroad	Fire Hydrant (Ex) , Water Meter (Ex)
Guardrail (Ex) (Pr)	Water Valve (Ex) , Utility Valve Unknown (Ex.)
Construction Limits	Telephone Pole (Ex) , Power Pole (Ex)
Edge of Pavement (Ex) ————	Light Pole (Ex)
Edge of Pavement (Pr) ————	
Edge of Shoulder (Ex) ————	
Edge of Shoulder (Pr) ————	

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- 3/4" x 30" REBAR WITH ALUMINUM CAP
- STAMPED "ODOT R/W DISTRICT 5"
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET



I, Charles W. Price, Jr., P.S. have conducted a survey of the existing conditions for the Ohio Department of Transportation on 03/05/12. The results of that survey are contained herein.

Underground utility locations are shown for informational purposes only. Though they are believed to be accurate, their location is as marked on the ground by the utility company per OUPS Confirmation Number A 206500243 and those markings subsequently surveyed as part of this project.

The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates system, North Zone on NAD 83 Datum.

As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property takes contained herein.

As a part of this project I have established the proposed property lines, calculated the Gross Take, present road occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein.

As a part of this work I have set monuments at the proposed property corners, and other points shown herein.

The iron pins and caps will be 3/4" x 30" rebar with aluminum cap stamped "ODOT R/W District 5". All my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards For Boundary Surveys in the State of Ohio" unless so noted.

The words I and my as used herein are to mean that either myself or someone working under my direct supervision.

Charles W. Price, Jr., Professional Land Surveyor No. S-7825, _____ Date: _____

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KNOX COUNTY, OHIO
COLLEGE TOWNSHIP LOT 11
QUARTER 1, T6N, R12W
UNITED STATE MILITARY LANDS

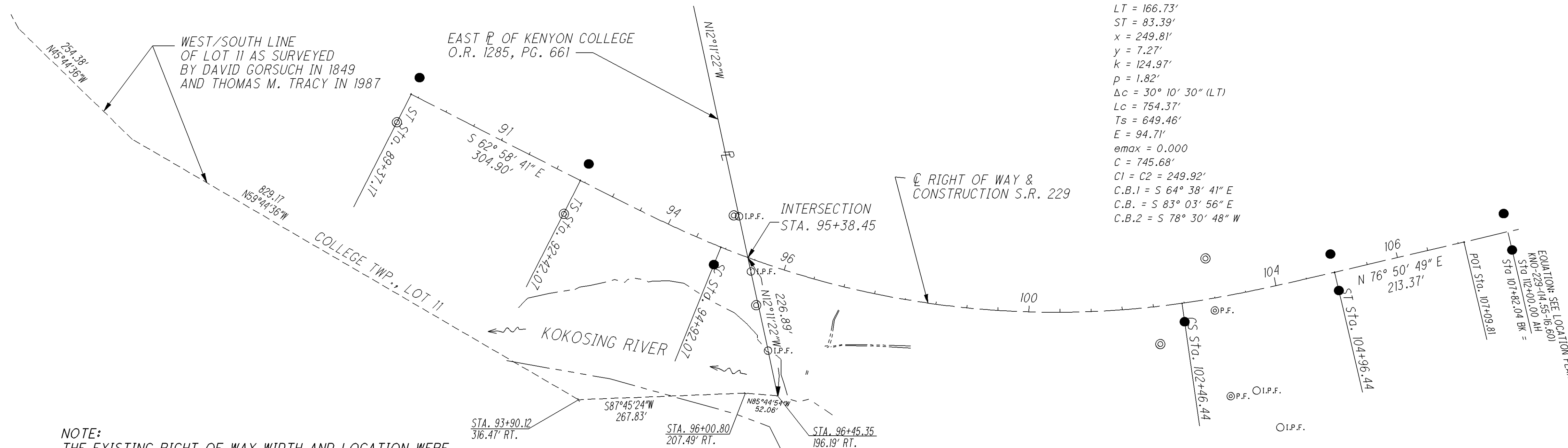
E of R/W & CONSTRUCTION STATE ROUTE 229	DISTANCE FROM E of RIGHT OF WAY		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED	DESCRIPTION
	LEFT	RIGHT	NORTH (Y)	EAST (X)	MON. ASSY. 604E 38500	REF. MON. 604E 40500		
ST. STA. 89+37.17	30.00'		253,142.8802	2,001,617.8624		1		
TS. STA. 92+42.07	30.00'		253,004.3547	2,001,889.4773		1		
SC. STA. 94+92.07		30.00'	252,842.7969	2,002,090.4394		1		
CS. STA. 102+46.44		30.00'	252,750.8827	2,002,846.1721		1		
ST. STA. 104+96.44	30.00'		252,859.5600	2,003,093.6541		1		
ST. STA. 104+96.44	30.00'	30.00'	252,801.1341	2,003,080.0009		1		
P.O.T. STA. 107+82.04 BK	30.00'		252,924.5498	2,003,358.1101		1		
P.O.T. STA. 107+82.04 BK		30.00'	252,866.1239	2,003,371.7633		1		

TOTAL CARRIED TO THE GENERAL SUMMARY = 8

FOUND MONUMENTS				
E of R/W & CONSTRUCTION STATE ROUTE 229	OFFSET	PROJECT COORDINATES SEE SURVEY CERTIFICATION		DESCRIPTION
STATION		NORTH (Y)	EAST (X)	
STA. 89+37.36	50.32' RT.	253,071.2362	2,001,581.5451	CONCRETE MONUMENT
STA. 92+42.84	59.79' RT.	252,924.0156	2,001,849.3749	CONCRETE MONUMENT
STA. 94+92.07	55.00' LT.	252,921.5954	2,002,122.3111	CONCRETE MONUMENT
STA. 95+00.63	56.84' LT.	252,920.2389	2,002,130.6364	IRON PIN
STA. 95+50.54	19.34' RT.	252,831.5839	2,002,149.8129	IRON PIN
STA. 95+75.46	67.74' RT.	252,777.4419	2,002,158.1590	CONCRETE MONUMENT
STA. 96+13.35	131.11' RT.	252,704.6800	2,002,177.2123	IRON PIN
STA. 102+04.45	60.35' RT.	252,715.2708	2,002,807.0815	CONCRETE MONUMENT
STA. 102+95.74	65.22' LT.	252,852.6010	2,002,879.3528	CONCRETE MONUMENT
STA. 102+96.28	19.84' RT.	252,768.9017	2,002,894.5567	IRON PIPE
STA. 102+97.44	159.66' RT.	252,631.4025	2,002,919.9551	IRON PIPE
STA. 103+36.85	158.38' RT.	252,640.4675	2,002,961.5529	IRON PIN
STA. 103+60.58	223.85' RT.	252,581.3511	2,002,999.5774	IRON PIN

EX. S.R. 229 CURVE DATA

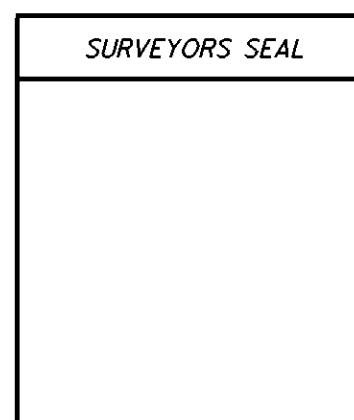
P.I. Sta. 98+91.53
 $\Delta = 40^\circ 10' 30''$ (LT)
 $D_c = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $L_s = 250.00'$
 $\theta_s = 5^\circ 00' 00''$
 $LT = 166.73'$
 $ST = 83.39'$
 $x = 249.81'$
 $y = 7.27'$
 $k = 124.97'$
 $p = 1.82'$
 $\Delta c = 30^\circ 10' 30''$ (LT)
 $L_c = 754.37'$
 $T_s = 649.46'$
 $E = 94.71'$
 $e_{max} = 0.000$
 $C = 745.68'$
 $CI = C2 = 249.92'$
 $C.B.1 = S 64^\circ 38' 41'' E$
 $C.B. = S 83^\circ 03' 56'' E$
 $C.B.2 = S 78^\circ 30' 48'' W$



NOTE:
THE EXISTING RIGHT OF WAY WIDTH AND LOCATION WERE DETERMINED USING DOCUMENTATION ON FILE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 5 OFFICE, JACKSONTOWN, OHIO.

EX. R/W PLAN (KNO-229-14.55-14.60) MADE IN 1955.

I, Charles W. Price, Jr., P.S. have conducted a survey of the existing conditions for the Ohio Department of Transportation on 03/05/2012. The results of that survey are contained herein.
 The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates system, North Zone on NAD 83 Datum.
 As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property taxes contained herein.
 As a part of this project I have established the proposed property lines, calculated the Gross Take, present road occupied (PRO), Net Take and Net Residue, as well as prepared the legal descriptions necessary to acquire the parcels as shown herein.
 As a part of this work I have set monuments at the proposed property corners, and other points shown herein.
 The iron pins and caps will be 3/4" x 30" rebar with aluminum cap stamped "ODOT R/W District 5". All my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless so noted.
 The words I and my as used herein are to mean that either myself or someone working under my direct supervision.
 Charles W. Price, Jr., Professional Land Surveyor No. S-7825, Date:



RECEIVED _____, 20____
 RECORDED _____, 20____
 BOOK _____ PAGE _____
 COUNTY RECORDER

MONUMENT LEGEND

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊙ RAILROAD SPIKE FOUND
- ⊙ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

BASIS FOR BEARINGS:

THE BEARINGS EXPRESSED HEREIN ARE BASED ON GPS OBSERVATIONS MADE ON 03/05/12. THEY ARE FURTHER BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE ON NAD83 DATUM.

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

N

50
100
200
HORIZONTAL SCALE IN FEET

PID NO. 93031

R/W DESIGNER T.H. C.P.
R/W REVIEWER

CENTERLINE PLAT

KNO-229-14.80

2 / 5

23
26

KNOX COUNTY, OHIO
 COLLEGE TOWNSHIP, LOT 11
 QUARTER 1, T6N, R12W
 UNITED STATES MILITARY LANDS

1
 KENYON COLLEGE (FEE OWNER)
 J. NATHAN MCKEE (LESSEE)
 209 CHASE AVE., EATON CENTER
 GAMBIER, OHIO 43022
 O.R. 1285, PG. 661
 O.R. 1285, PG. 664
 13-00333.000
 AGRICULTURAL

DAVID R. GORSUCH AND
 CYNTHIA L. GORSUCH
 20651 NEWCASTLE ROAD
 GAMBIER, OHIO 43022
 13-00205.000
 (NO R/W REQUIRED)
 RESIDENTIAL

STA. 97+67.70
 75.00' LT.

IRON PIN FD.
 STA. 95+00.63
 56.84' LT.

CONC. MON. FD.
 STA. 94+92.07
 55.00' LT.

RIGHT OF WAY & CONSTRUCTION
 STATE ROUTE 229

S 62° 58' 41" E

STA. 91+90.00
 58.29' RT.

STA. 92+42.07
 60.00' RT.

S 64° 39' 37" E
 342.51'

STA. 94+92.07
 60.01' RT.

STA. 95+75.40
 67.60' RT.

STA. 97+05.00
 105.00' RT.

STA. 97+03.10
 149.10' RT.

P.I. Sta. 98+91.53
 Δ = 40° 10' 30" (LT)
 Dc = 4° 00' 00"
 R = 1,432.39'
 Ls = 250.00'
 Bs = 5° 00' 00"
 LT = 106.73'
 ST = 83.39'
 x = 249.81'
 y = 7.27'
 k = 124.97'
 p = 1.82'
 Δc = 30° 10' 30" (LT)
 Lc = 754.37'
 Ts = 649.46'
 E = 94.71'
 emax = 0.000
 C = 745.68'
 C1 = C2 = 249.92'
 C.B.1 = S 64° 38' 41" E
 C.B.2 = S 83° 03' 56" E
 C.B.2 = S 78° 30' 48" W

EXISTING
 WATERS EDGE

TOPSOIL

ROCK CHANNEL PROTECTION,
 TYPE B WITH AGGREGATE FILTER

ROCK (TYPE A) VANE
 ROCK DETAILS, SEE SHEET 6/26

1-STY
 FRAME RES.

TIMOTHY A. NEWTON
 20700 NEWCASTLE ROAD
 GAMBIER, OHIO 43022
 O.R. 1371, PG. 703
 13-00192.000
 (NO R/W REQUIRED)

KOKOSING RIVER

LOT 11
 N 59° 44' 36" W

LOT 11

STA. 93+90.12
 316.47' RT.

END ACQUISITION
 STA. 96+45.35

NOTE:
 ALL STATION AND OFFSETS ARE FROM THE \hat{C} OF RIGHT OF WAY &
 CONSTRUCTION STATE ROUTE 229 UNLESS OTHERWISE STATED.

NOTE:
 THE EXISTING RIGHT OF WAY WIDTH AND LOCATION WERE
 DETERMINED USING DOCUMENTATION ON FILE FROM
 THE OHIO DEPARTMENT OF TRANSPORTATION,
 DISTRICT 5 OFFICE, JACKSONTOWN, OHIO.

EX. R/W PLAN (KNO-229-14.55-14.60) MADE IN 1955.



PID NO.
93031

R/W DESIGNER
 T.H.
 R/W REVIEWER
 C.P.

RIGHT OF WAY PLAN
STA. 90+50.00 TO STA. 98+00.00

KNO-229-14.80

5 / 5

26
 26

REV. BY	DATE	DESCRIPTION